

STATEMENT OF BASIS

**Jasper Lumber Company / Southern Wood Chips / B&T Shavings, Inc.
Jasper, Walker County, Alabama
Facility/Permit No. 414-S002
Significant Modification**

This draft renewal Title V Major Source Operating Permit (MSOP) significant modification is proposed under the provisions of ADEM Admin. Code R. 335-3-16. The above named applicant has requested authorization to perform the work or operate the facility shown on the application and drawings, plans, and other documents attached hereto or on file with the Air Division of the Alabama Department of Environmental Management, in accordance with the terms and conditions of this permit. The current MSOP was issued on December 21, 2009, and will expire on December 20, 2014.

Jasper Lumber Company (JLC) produces kiln-dried, dimensional pine lumber from logs. Southern Wood Chips (SWC) produces wood chips from logs. B&T Shavings (B&T) produces packaged dried planer shavings from logs. The three existing facilities are considered one source under Title V and PSD as they share common ownership, SIC major grouping, and are located on contiguous property. The significant sources of air pollutants at Jasper Lumber Company include two lumber dry kilns directly heated by wood-fired burners (Emission Unit Nos. 003 and 004), a sawmill operation (Emission Unit No. 001), and various mill processes and their associated wood waste transfer cyclones (Emission Unit Nos. 002 and 005). The significant sources of air pollutants at Southern Wood Chips include a chip mill operation and a re-chipper with a wood waste transfer cyclone (Emission Unit No. 006). The significant source of air pollutants at B&T is the green planer shavings drying process (Emission Unit No. 007). Insignificant sources listed in the application include wet decking, propane products of combustion (kiln startup), miscellaneous painting, a parts washer, petroleum storage and loading, mobile internal combustion engines, miscellaneous wood storage and handling, unpaved roads, and ash handling.

Proposed Changes

The draft MSOP includes the following change to the current permit:

- Incorporation of Requirements of Air Permit No. X012 for the Green Planer Shavings Drying Process (Unit 007 – B&T Shavings, Inc.)

B&T Shavings Inc. was issued Air Permit No. X012 on June 13, 2008, for the proposed construction and operation of a planer shavings drying process. The permit was re-issued under the same permit number on January 14, 2009, due to physical differences in the actual configuration than as originally presented in the application. The B&T facility was included in the 2009 MSOP renewal application for Jasper Lumber Company/Southern Wood Chips, but it was not included in the renewal permit due to ongoing facility startup, operational, and compliance issues. It was decided that B&T would be incorporated into the MSOP via a significant modification once all outstanding issues were resolved and

Authorization to Operate (ATO) was issued. After successfully completing a compliance test conducted on May 20, 2010, ATO was granted to B&T on July 21, 2010.

Applicability: Federal Regulations

Title V

This facility is a major source under the Title V regulations because potential emissions of particulate matter (PM), carbon monoxide (CO), nitrogen oxides (NO_x), and volatile organic compounds (VOC) exceed the 100 TPY major source threshold. The combined source is also a major source of hazardous air pollutants (HAP). It has the potential to emit more than 10 TPY of methanol and more than 25 TPY of combined of HAP.

Prevention of Significant Deterioration (PSD)

The combined source is a major source under the PSD regulations for CO and VOC emissions. It is located in an attainment area for all criteria pollutants, and the facility operations are not one of the listed major source categories. Therefore, the major source threshold of concern is 250 TPY. The facility became a major source due to the addition of B&T. Prior to the addition of the third facility, Jasper Lumber Company/Southern Wood Chips was a Synthetic Minor Source under the PSD regulations.

NSPS

The combined facility has no sources that are subject to the New Source Performance Standards (NSPS), as referenced in 40 CFR Part 60.

MACT

This combined facility is a major source of HAP emissions, as listed in ADEM Admin. Code R. 335-3, Appendix G, and has processes that are affected sources under 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products (the "PCWP MACT") originally promulgated on July 30, 2004, and revised on February 16, 2006, and October 29, 2007. The only sources at the facility subject to the PCWP MACT are the two lumber dry kilns at Jasper Lumber Company (Units 003/004). There are currently no specific requirements for lumber dry kilns under Subpart DDDD.

Applicability: State Regulations

Particulate Matter

The green planer shavings drying process at B&T is subject to the particulate matter (as TSP) emission limitations of ADEM Admin. Code r. 335-3-4-.04(1) for Process Industries-General. The allowable emission rate for each process is calculated using one of the following process weight equations:

$$E = 3.59P^{0.62} \text{ (P < 30 tons per hour) OR}$$

$$E = 17.31P^{0.16} \text{ (P} \geq 30 \text{ tons per hour)}$$

where E = Emissions in pounds per hour

P = Process weight in tons per hour

In addition to the above limitations, ADEM Admin. Code r. 335-3-4-.01(1) sets forth a visible emissions standard which states that any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%.

Sulfur Oxides (SO_x)

By Air Division interpretation, the State regulations under ADEM Admin. Code R. 335-3-5-.01 apply only to indirect heating devices. The rotary dryer at B&T is directly heated by a wood-fired burner. As products of wood combustion in the burner directly contact the green shavings being heated, the State SO₂ regulations would not apply.

CAM

None of the process units at the combined facility would be subject to CAM since there are no air pollution control devices associated with the lumber dry kilns/burners. The cyclones utilized in the wood residual transfer operations are considered to be inherent parts of the processes, and therefore, are not considered control devices under the CAM regulations.

Emission Testing and Monitoring

007-Green Planer Shavings Drying Process

This process utilizes cyclone separators (emission points WRD, BSB, BAG, and HAM) in the pneumatic transfer of wood residuals throughout the process. They are subject to the State allowable particulate emission rate as determined by the process weight equation (ADEM Admin. Code R. 335-3-4-.04(1)) and to the State opacity standard. As the process is continuous, the sum of the emission points are to be compared to the allowable rate when determining compliance. The same monitoring methods and frequencies as listed in Air Permit No. X012 were proposed. For compliance with the particulate and visible emission standards, emission monitoring for the cyclones would include:

- While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least daily during daylight hours for greater than normal visible emissions as determined by previous observations.
- Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.

- To ensure proper operation, each cyclone shall be inspected and cleaned at least annually but more frequently if greater than normal visible emissions are observed.

Recordkeeping and Reporting Requirements

The records required for Emission Unit 007 would include:

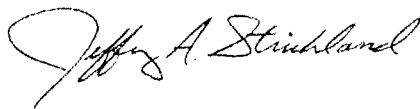
- Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request

The facility would be required to include the following information (as applicable) for Emission Unit No. 007 in the Semiannual Monitoring Report required by General Permit Proviso No. 21:

- A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following **December 20th** and **June 20th** each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters.

Recommendation

Based on the above analysis, I recommend that Jasper Lumber Company/Southern Wood Chip's Major Source Operating Permit (414-S002) be modified to include the requirements of Air Permit No. X012 (B&T Shavings, Inc.) with the conditions noted above, pending the resolution of any comments received during the 30-day public comment period and 45-day EPA review period.



Jeffrey A. Strickland
Chemical Branch
Air Division

October 28, 2010
Date



MAJOR SOURCE OPERATING PERMIT

PERMITTEE: JASPER LUMBER COMPANY / SOUTHERN WOOD CHIPS /
B&T SHAVINGS, INC.

FACILITY NAME: JASPER LUMBER COMPANY / SOUTHERN WOOD CHIPS /
B&T SHAVINGS, INC.

FACILITY NO.: 414-S002

LOCATION: JASPER, WALKER COUNTY, ALABAMA

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

Pursuant to the Clean Air Act of 1990, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the Clean Air Act of 1990 are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.

Issuance Date: December 21, 2009

Effective Date: December 21, 2009

Modification Date:

Expiration Date: December 20, 2014

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General Permit Provisos

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| <p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in ADEM Admin. Code r. 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p> <p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p> | <p>ADEM Admin. Code r. 335-3-16-.02(6)</p> <p>ADEM Admin. Code r. 335-3-16-.12(2)</p> <p>ADEM Admin. Code r. 335-3-16-.05(e)</p> <p>ADEM Admin. Code r. 335-3-16-.05(f)</p> <p>ADEM Admin. Code r. 335-3-16-.05(g)</p> <p>ADEM Admin. Code r. 335-3-16-.05(h)</p> |

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| <p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p> <p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Air Division, within 30 days or for such other reasonable time as the Air Division may set, any information that the Air Division may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Air Division copies of records required to be kept by this permit.</p> <p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p> <p>9. <u>Certification of Truth, Accuracy, and Completeness</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p> <p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; | <p>ADEM Admin. Code r. 335-3-16-.05(i)</p> <p>ADEM Admin. Code r. 335-3-16-.05(j)</p> <p>ADEM Admin. Code r. 335-3-16-.05(k)</p> <p>ADEM Admin. Code r. 335-3-16-.07(a)</p> <p>ADEM Admin. Code r. 335-3-16-.07(b)</p> |

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| <p>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</p> <p>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</p> | |
| <p>11. <u>Compliance Provisions</u></p> <p>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</p> <p>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</p> | <p>ADEM Admin. Code r. 335-3-16-.07(c)</p> |
| <p>12. <u>Compliance Certification</u></p> <p>The Permittee shall submit a complete and accurate compliance certification by February 19th of each year for each annual reporting period of this permit (December 20th – December 19th).</p> <p>(a) The compliance certification shall include the following:</p> <p>(1) The identification of each term or condition of this permit that is the basis of the certification;</p> <p>(2) The compliance status;</p> <p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with ADEM Admin. Code r. 335-3-16-.05(c) (Monitoring and Recording Keeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Air Division may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> | <p>ADEM Admin. Code r. 335-3-16-.07(e)</p> |

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Alabama Department of Environmental Management
Air Division
P.O. Box 301463
Montgomery, AL 36130-1463

and to:

Air and EPCRA Enforcement Branch
EPA Region IV
61 Forsyth Street, SW
Atlanta, GA 30303

13. Reopening for Cause

Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:

ADEM Admin. Code r.
335-3-16-.13(5)

- (a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.
- (b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.
- (c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

14. Additional Rules and Regulations

This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.

§22-28-16(d), Code of Alabama 1975, as amended

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| <p>15. Equipment Maintenance or Breakdown</p> <p>(a) In case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Air Division at least (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quality of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of of-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the sources operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p> | <p>ADEM Admin. Code r. 335-3-1-.07(1),(2)</p> |
| <p>16. Operation of Capture and Control Devices</p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p> | <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |

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| <p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p> <p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds shall be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions.</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Air Division prior to utilization.</p> | <p>ADEM Admin. Code r. 335-3-1-.08</p> <p>ADEM Admin. Code r. 335-3-4-.02</p> |
| <p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p> | <p>ADEM Admin. Code r. 335-3-16-.13 and 335-3-16-.14</p> |
| <p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)2.</p> |

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| <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p> | |
| <p>21. Reporting Requirements</p> | |
| <p>(a) Reports to the Air Division of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with ADEM Admin. Code r. 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report shall include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)3.</p> |
| <p>22. Emission Testing Requirements</p> | |
| <p>Each point of emission which requires testing shall be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> | <p>ADEM Admin. Code r. 335-3-1-.05(3) and 335-3-1-.04(1)</p> |

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| Federally Enforceable Provisos | Regulations |
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| <p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p> <p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p> <p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and shall make the permit readily available for inspection by any or all persons who may request to see it.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(a)</p> <p>40 CFR Part 68</p> <p>ADEM Admin. Code r. 335-3-14-.01(1)(d)</p> |

General Permit Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| 28. <u>Circumvention</u> No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations. | ADEM Admin. Code r. 335-3-1-.10 |
| 29. <u>Visible Emissions</u> Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit. | ADEM Admin. Code r. 335-3-4-.01(1) |
| 30. <u>Fuel-Burning Equipment</u> Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.03. Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-5-.01. | ADEM Admin. Code r. 335-3-4-.03 ADEM Admin. Code r. 335-3-5-.01 |
| 31. <u>Process Industries – General</u> Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in ADEM Admin. Code r. 335-3-4-.04. | ADEM Admin. Code r. 335-3-4-.04 |
| 32. <u>Averaging Time for Emission Limits</u> Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method. | ADEM Admin. Code r. 335-3-1-.05 |
| 33. <u>Open Burning</u> Precautions should be taken to ensure that no person shall ignite, cause to ignite, permit to be ignited, or maintain any open fire in such a manner as to cause the Department's rules and regulations applicable to open burning to be violated. | ADEM Admin. Code r. 335-3-3-.01 |

Emission Unit No. 001 (Sawmill Operations)**Summary Page****Description:** Sawmill and Chipper with Cyclone**Permitted Operating Schedule:** $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$ **Emission limitations:**

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|---------------------------|--------------------|------------------|--|------------------------------------|
| F-SM | Sawmill (fugitive) | PM | N/A | N/A |
| C-1 | Chipper Cyclone | PM | $E = 3.59(P)^{0.62}$; or $E = 17.31(P)^{0.16}$ | ADEM Admin. Code r. 335-3-4-.04 |

Emission Unit No. 001 (Sawmill Operations)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|---|
| 1. <u>Applicability</u> This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits." | ADEM Admin. Code r. 335-3-16-.03 |
| 2. <u>Emission Standards</u> The Permittee shall not cause or allow the emission of particulate matter in any one hour from this unit in excess of the amount determined by the following equation: $E = 3.59 (P)^{0.62} \quad (P < 30 \text{ tons/hr}); \text{ or}$ $E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})$ where E = Emissions in pounds per hour P = Process weight per hour in tons per hour | ADEM Admin. Code r. 335-3-4-.04 |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> (a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 of 40 CFR Part 60, Appendix A. (b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A. (c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance. | ADEM Admin. Code r. 335-3-1-.05 ADEM Admin. Code r. 335-3-1-.05 ADEM Admin. Code r. 335-3-1-.05 |
| 4. <u>Emission Monitoring</u> (a) While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations. | ADEM Admin. Code r. 335-3-16-.05(c) |

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p> <p>(c) To ensure proper operation, each cyclone shall be inspected and cleaned at least annually but more frequently if greater than normal visible emissions are observed.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p> <p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following December 20th and June 20th each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 002 (Sawdust Transfer System)

Summary Page

Description: Pneumatic Sawdust Transfer System with 3 Cyclones

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|---|-----------|--|------------------------------------|
| C-4; C-5; C-6 | Fuel Bin #1 Cyclone; Truck Bin Cyclone; Fuel Bin #2 Cyclone | PM | $E = 3.59(P)^{0.62}$; or $E = 17.31(P)^{0.16}$ | ADEM Admin. Code r. 335-3-4-.04 |

Emission Unit No. 002 (Sawdust Transfer System)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>1. <u>Applicability</u></p> <p>This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> |
| <p>2. <u>Emission Standards</u></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59 (P)^{0.62} \quad (P < 30 \text{ tons/hr}); \text{ or}$ $E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})$ <p>where E = Emissions in pounds per hour P = Process weight per hour in tons per hour</p> | <p>ADEM Admin. Code r. 335-3-4-.04</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>4. <u>Emission Monitoring</u></p> <p>(a) While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p> <p>(c) To ensure proper operation, each cyclone shall be inspected and cleaned at least annually but more frequently if greater than normal visible emissions are observed.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following December 20th and June 20th each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit Nos. 003 and 004 (Lumber Dry Kiln Nos. 1 and 2)

Summary Page

Description: Two (2) 147,500 BF, Direct-Fired Lumber Dry Kilns and Two 29.8 MMBtu/hr Wood-Fired Burners

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|-------------------------------|-----------------|--|----------------------------------|
| DK-1 | Lumber Dry Kiln #1 Roof Vents | PM | $E = 3.59(P)^{0.62}$; or $E = 17.31(P)^{0.16}$ | ADEM Admin. Code r. 335-3-4-.04 |
| | | SO ₂ | N/A | N/A |
| | | NO _x | N/A | N/A |
| | | CO | N/A | N/A |
| | | VOC | 4.86 lb/MBF (as pinene) | ADEM Admin. Code r. 335-3-14-.04 |
| | | HAPs | N/A | N/A |
| DK-2 | Lumber Dry Kiln #2 Roof Vents | PM | $E = 3.59(P)^{0.62}$; or $E = 17.31(P)^{0.16}$ | ADEM Admin. Code r. 335-3-4-.04 |
| | | SO ₂ | N/A | N/A |
| | | NO _x | N/A | N/A |
| | | CO | N/A | N/A |
| | | VOC | 4.86 lb/MBF (as pinene) | ADEM Admin. Code r. 335-3-14-.04 |
| | | HAPs | N/A | N/A |

Emission Unit Nos. 003 and 004 (Lumber Dry Kiln Nos. 1 and 2)**Unit Specific Provisos**

| Federally Enforceable Provisos | Regulations |
|--|---|
| 1. <u>Applicability</u> | |
| (a) These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits." | ADEM Admin. Code r. 335-3-16-.03 |
| (b) These units are subject to synthetic minor emission limitations. | ADEM Admin. Code r. 335-3-14-.04 and 335-3-15-.01(h) |
| (c) These units are subject to the applicable requirements of 40 CFR 63, Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products, and the applicable requirements of 40 CFR 63, Subpart A, General Provisions as provided in Table 10 to Subpart DDDD. | ADEM Admin. Code r. 335-3-11-.06(81); 40 CFR 63, Subpart DDDD |
| 2. <u>Emission Standards</u> | |
| (a) The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation: $E = 3.59 (P)^{0.62} \quad (P < 30 \text{ tons/hr}); \text{ or}$ $E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})$ where E = Emissions in pounds per hour P = Process weight per hour in tons per hour | ADEM Admin. Code r. 335-3-4-.04 |
| (b) The volatile organic compound (VOC) emission rate from the kilns shall not exceed 4.86 lb/MBF. The VOC emission rate shall be reported as pinene. | ADEM Admin. Code r. 335-3-14-.04 |
| (c) The combined production of the No. 1 and No. 2 lumber dry kilns shall not exceed 100,000 MBF during any consecutive twelve (12)-month period. | ADEM Admin. Code r. 335-3-15-.01(h) |
| 3. <u>Compliance and Performance Test Methods and Procedures</u> | |
| (a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 of 40 CFR Part 60, Appendix A. | ADEM Admin. Code r. 335-3-1-.05 |
| (b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A. | ADEM Admin. Code r. 335-3-1-.05 |

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>(c) If testing is required, the volatile organic compound emission rate shall be measured in accordance with Method 18 or 25A of 40 CFR Part 60, Appendix A.</p> <p>(d) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>4. <u>Emission Monitoring</u></p> | |
| <p>Within 10 days of the end of each calendar month, the Permittee shall calculate the combined throughput for the No. 1 and No. 2 kilns for the previous month and previous 12-month period.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) Records of monthly dried lumber production for the No. 1 and No. 2 kilns shall be maintained on a monthly and 12-month rolling total basis in a permanent form suitable for inspection. The records shall be retained for a period of 5 years from the date of generation of each record and be made available upon request.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>(b) Should the combined lumber production from the No. 1 and No. 2 kilns exceed 100,000 MBF during any consecutive 12-month period, the Permittee shall notify the Air Division within 2 working days of determining the exceedance occurred.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>(c) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following December 20th and June 20th each year, certifying that the production records were maintained during the reporting period, noting any exceedances, and including monthly and consecutive 12-month rolling production totals over the 6-month reporting period. This report shall be included as part of the report required by General Permit Proviso No. 21.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 005 (Planer Mill/Wood Hog Residual Transfer System)

Summary Page

Description: Planer Mill/Wood Hog Pneumatic Wood Residual Transfer System with 2 Cyclones

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|---|-----------|--|---------------------------------|
| C-2; C-3 | Planer Mill/Wood Hog Residual Transfer Cyclones (in series) | PM | $E = 3.59(P)^{0.62}$; or $E = 17.31(P)^{0.16}$ | ADEM Admin. Code r. 335-3-4- 04 |

Emission Unit No. 005 (Planer Mill/Wood Hog Residual Transfer System)

Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>1. <u>Applicability</u></p> <p>This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> |
| <p>2. <u>Emission Standards</u></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59 (P)^{0.62} \quad (P < 30 \text{ tons/hr}); \text{ or}$ $E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})$ <p>where E = Emissions in pounds per hour P = Process weight per hour in tons per hour</p> | <p>ADEM Admin. Code r. 335-3-4-.04</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>4. <u>Emission Monitoring</u></p> <p>(a) While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
|--|---|
| <p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p> <p>(c) To ensure proper operation, each cyclone shall be inspected and cleaned at least annually but more frequently if greater than normal visible emissions are observed.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p> <p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following December 20th and June 20th each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 006 (Chip Mill)

Summary Page

Description: Chip Mill Operation and Re-chipper with Cyclone (Southern Wood Chips)

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------|--------------------------------|-----------|--|------------------------------------|
| F-CM | Chip Mill Operation (fugitive) | PM | N/A | N/A |
| RC | Re-chipper Cyclone | PM | $E = 3.59(P)^{0.62}$; or $E = 17.31(P)^{0.16}$ | ADEM Admin. Code r. 335-3-4-.04 |

Emission Unit No. 006 (Chip Mill)
Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|--|--|
| <p>1. <u>Applicability</u></p> <p>This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> <p>2. <u>Emission Standards</u></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59 (P)^{0.62} \quad (P < 30 \text{ tons/hr}); \text{ or}$ $E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})$ <p>where E = Emissions in pounds per hour P = Process weight per hour in tons per hour</p> <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> <p>4. <u>Emission Monitoring</u></p> <p>(a) While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least <u>weekly</u> during daylight hours for greater than normal visible emissions as determined by previous observations.</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> <p>ADEM Admin. Code r. 335-3-4-.04</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
|---|---|
| <p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p> <p>(c) To ensure proper operation, each cyclone shall be inspected and cleaned at least annually but more frequently if greater than normal visible emissions are observed.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following December 20th and June 20th each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

Emission Unit No. 007 (Green Planer Shavings Drying Process)

Summary Page

Description: Green Planer Shavings Drying Process (Includes a Rotary Dryer and 40 MMBtu/hr Wood-Fired Burner with Cyclone (WRD); Pneumatic Wood Residual Transfer Line from Dried Flake Screen to Fuel Storage Bin with Cyclone (BSB); Bagging Area Pneumatic Wood Dust Collection System with Cyclone (BAG); and a Pneumatic Wood Residual Transfer Line from the Hammermill to the Metering Bin (HAM) (B&T Shavings, Inc.)

Permitted Operating Schedule: $\frac{24 \text{ Hours}}{\text{Day}} \times \frac{7 \text{ Days}}{\text{Week}} \times \frac{52 \text{ Weeks}}{\text{Year}} = \frac{8760 \text{ Hours}}{\text{Year}}$

Emission limitations:

| Emission Point No. | Description | Pollutant | Emission limit | Regulation |
|--------------------------|---|-----------|--|-------------------------------------|
| WRD; BSB; BAG; HAM | Rotary Dryer Cyclone Stack; Screening Cyclone Stack; Bagging Cyclone Stack; Hammermill Cyclone Stack | PM | $E = 3.59(P)^{0.62}$; or $E = 17.31(P)^{0.16}$ | ADEM Admin. Code r. 335-3-4, 04. |

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Unit Specific Provisos

| Federally Enforceable Provisos | Regulations |
|---|--|
| <p>1. <u>Applicability</u></p> <p>This process is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits."</p> | <p>ADEM Admin. Code r. 335-3-16-.03</p> |
| <p>2. <u>Emission Standards</u></p> <p>The Permittee shall not cause or allow the emission of particulate matter in any one hour from each of these units in excess of the amount determined by the following equation:</p> $E = 3.59 (P)^{0.62} \quad (P < 30 \text{ tons/hr}); \text{ or}$ $E = 17.31 (P)^{0.16} \quad (P \geq 30 \text{ tons/hr})$ <p>where E = Emissions in pounds per hour</p> <p>P = Process weight per hour in tons per hour</p> | <p>ADEM Admin. Code r. 335-3-4-.04</p> |
| <p>3. <u>Compliance and Performance Test Methods and Procedures</u></p> <p>(a) If testing is required, the particulate emission rate shall be measured in accordance with Method 5 of 40 CFR Part 60, Appendix A.</p> <p>(b) If testing is required, the opacity of stack emissions shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A.</p> <p>(c) Any compliance or performance test required shall be conducted and data reduced in accordance with the test methods and procedures contained in each specific permit condition unless the Director (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, or (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance.</p> | <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> |
| <p>4. <u>Emission Monitoring</u></p> <p>(a) While each wood residual transfer system is operating, someone familiar with the process shall observe the visible emissions from each cyclone at least <u>daily</u> during daylight hours for greater than normal visible emissions as determined by previous observations.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |

| Federally Enforceable Provisos | Regulations |
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| <p>(b) Whenever observed visible emissions are greater than normal, corrective action shall be initiated as soon as practicable but no longer than 24 hours from the time of observation, followed by an additional observation to confirm that emissions have been reduced to normal.</p> <p>(c) To ensure proper operation, each cyclone shall be inspected and cleaned at least annually but more frequently if greater than normal visible emissions are observed.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |
| <p>5. <u>Recordkeeping and Reporting Requirements</u></p> | |
| <p>(a) Records, including dates and times, of all visual emission observations, excursions, corrective actions taken, emissions-related maintenance performed, inspections, and cleanings shall be maintained on-site for at least 5 years from the date of generation of each record and be made available for inspection upon request.</p> <p>(b) A written report, certified by a responsible official, shall be submitted to the Air Division on a semiannual basis, due no later than 60 days following December 20th and June 20th each year, certifying that the emission monitoring requirements were accomplished as required and describing the date and reason any required monitoring was not accomplished; all instances of deviations from permit requirements; the dates of any inspections and/or cleanings performed during the reporting period; excursions from any emission monitoring parameters; and the nature and date of any corrective actions taken as a result of excursions from the emission monitoring parameters. This report shall be included as part of the report required by General Permit Proviso No. 21.</p> | <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> |